

Claims

1. (cancel)
2. (cancel)
3. (cancel)
4. (amended) A broadcast signal receiving method whereby broadcast information broadcasted during a predetermined time band and received by a broadcast signal receiving apparatus is displayed in a manner interlocked with auxiliary information stored in said broadcast signal receiving apparatus in advance, wherein said broadcast information and said auxiliary information each include video and audio data, said method comprising the steps of:
 - storing said video and audio data of received broadcast information in a storage unit employed in said broadcast signal receiving apparatus;
 - playing back said video and audio data stored in said storage unit; and
 - stopping the step of playing back said video and audio data stored in said storage unit with predetermined start timing and then playing back said video and audio data of said auxiliary information.
5. A broadcast signal receiving method according to claim 4 further comprising the step of stopping playing back said

video and audio data of said auxiliary information with predetermined end timing and then resuming the stopped step of playing back said video and audio data stored in said storage unit beginning with a portion of said video and audio data stored in said storage unit immediately succeeding a point of time corresponding to said predetermined start timing.

6. A broadcast signal receiving method according to claim 4 further comprising the step of stopping playing back said video and audio data of said auxiliary information with predetermined end timing and then resuming the stopped step of playing back said video and audio data stored in said storage unit beginning with a portion of said video and audio data stored in said storage unit immediately succeeding a point of time corresponding to said predetermined end timing.

7. A broadcast signal receiving method according to claim 4 whereby broadcast information currently being broadcasted and said auxiliary information are played back at the same time by concurrently storing said video and audio data of said currently broadcasted broadcast information in a storage unit and playing back said video and audio data stored in said storage unit.

8. (cancel)

9. (amended) A broadcast signal receiving method whereby broadcast information broadcasted during a predetermined time band and received by a broadcast signal receiving apparatus is displayed in a manner interlocked with auxiliary information stored in said broadcast signal receiving apparatus in advance,

wherein said broadcast information includes video and audio data whereas said auxiliary information includes a program or a script, said method comprising the steps of:

storing said video and audio data of received broadcast information in a storage unit employed in said broadcast signal receiving apparatus;

playing back said video and audio data stored in said storage unit; and

stopping the step of playing back said video and audio data stored in said storage unit with predetermined start timing and then playing back said program or said script of said auxiliary information,

whereby, if said program or said script is not executed in a processing period of time determined in advance, execution of said program or said script is canceled.

10. (cancel)

11. (amended) A broadcast signal receiving apparatus comprising:

a storage unit for recording received broadcast information broadcasted during a predetermined program time band;

a read unit for reading out auxiliary information from a recording medium mounted on said broadcast signal receiving apparatus to be played back in a manner interlocked with said broadcast information; and

a processor for playing back said broadcast information recorded in said storage unit and said auxiliary information stored in said recording medium in a manner of interlocking said broadcast information with said auxiliary information by controlling read operations carried out by said read unit with predetermined timing,

wherein broadcast information currently being broadcasted is played back in a manner interlocked with said auxiliary information by concurrently executing operations to record and play back said broadcast information into and from said storage unit.

12. (amended) A broadcast signal receiving apparatus comprising:

a storage unit for recording broadcast information and auxiliary information; and

a processor for controlling an operation to read out broadcast information or auxiliary information from said storage unit with predetermined timing,

wherein said broadcast information is received through a broadcast system to be recorded in said storage unit and said auxiliary information is received through a broadcast system or a network to be recorded in said storage unit,

wherein broadcast information currently being broadcasted is played back in a manner interlocked with said auxiliary information by concurrently executing operations to record and play back said broadcast information into and from said storage unit.

13. (amended) A broadcast signal receiving apparatus comprising:

a storage unit for recording received broadcast information broadcasted during a predetermined program time band;

a read unit for reading out auxiliary information from a recording medium mounted on said broadcast signal receiving apparatus to be played back in a manner interlocked with said broadcast information; and

a processor for playing back said broadcast information recorded in said storage unit and said auxiliary information stored in said recording medium in a manner of interlocking said broadcast information with said auxiliary information by controlling read operations carried out by said read unit with predetermined timing,

wherein said processor stops an operation to play back video and audio data of said broadcast information with predetermined start timing and then plays back video and audio data of said auxiliary information.

14. (amended) A broadcast signal receiving apparatus comprising:

a storage unit for recording broadcast information and auxiliary information; and

a processor for controlling an operation to read out broadcast information or auxiliary information from said storage unit with predetermined timing,

wherein said broadcast information is received through a broadcast system to be recorded in said storage unit and said auxiliary information is received through a broadcast system or a network to be recorded in said storage unit,

wherein said processor stops an operation to play back video and audio data of said broadcast information with predetermined start timing and then plays back video and audio data of said auxiliary information.

15. (amended) A broadcast signal receiving apparatus according to claim 13 or claim 14 wherein said processor further stops playing back said video and audio data of said auxiliary information with predetermined end timing and then resumes said stopped operation to play back said video

and audio data of said broadcast information beginning with a portion of said video and audio data of said broadcast information immediately succeeding a point of time corresponding to said predetermined start timing so that said video and audio data of said auxiliary information is inserted into said broadcast information.

16. (amended) A broadcast signal receiving apparatus according to claim 13 or claim 14 wherein said processor further stops playing back said video and audio data of said auxiliary information with predetermined end timing and then resuming said stopped operation to play back said video and audio data of said broadcast information beginning with a portion of said video and audio data of said broadcast information immediately succeeding a point of time corresponding to said predetermined end timing so that said video and audio data of said auxiliary information replaces said video and audio data of said broadcast information between said points of time corresponding to said predetermined start timing and said predetermined end timing.

17. A broadcast signal receiving apparatus according to claim 11 or 12 wherein:

 said broadcast information includes video and audio data whereas said auxiliary information includes a program or a script; and

said processor plays back said program or said script of said auxiliary information with predetermined start timing in a manner interlocked with said video and audio data stored in and then played back from said storage unit.

18. A broadcast signal receiving apparatus according to claim 17 wherein, if said program or said script is not executed in a processing period of time determined in advance, execution of said program or said script is canceled.

19. A recording medium for storing auxiliary information to be played back in a manner interlocked with a predetermined broadcast program wherein:

 said auxiliary information includes a plurality of individual auxiliary information pieces;

 the same plurality of individual auxiliary information pieces each comprise video and audio data of said individual auxiliary information piece to be played back in a manner interlocked with a program and an auxiliary information index including an auxiliary information ID for identifying said individual auxiliary information piece as well as a program ID for identifying said program with which said individual auxiliary information piece is to be interlocked.

20. A recording medium according to claim 19 wherein said auxiliary information index of each of the same plurality

of individual auxiliary information pieces also includes time information for determining timing with which an operation to play back said individual auxiliary information piece in a manner interlocked with said broadcast information is to be started and ended.

21. A recording medium for storing auxiliary information to be played back in a manner interlocked with a predetermined broadcast program wherein:

 said auxiliary information includes a plurality of individual auxiliary information pieces;

 the same plurality of individual auxiliary information pieces each comprise a software program or a script of said individual auxiliary information piece to be played back in a manner interlocked with a broadcast program and an auxiliary information index including an auxiliary information ID for identifying said individual auxiliary information piece as well as a program ID for identifying said broadcast program with which said individual auxiliary information piece is to be interlocked.